

Computing Knowledge Organiser 2021-2022



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	EYFS	Year One	Year Two	End of KS1 expectations	Year Three	Year Four	End of LKS2 expectations	Year Five	Year Six	End of UKS2 expectations
Computer Science	<p>Following instructions as part of practical activities and games and learning to debug when things go wrong</p> <p>Learning to give simple instructions</p> <p>Experimenting with programming a Bee-bot and learning how to give simple commands.</p> <p>Learning to debug instructions, with the help of an adult, when things go wrong</p>	<p>Writing clear algorithms, considering the different steps required and explaining what an algorithm is.</p> <p>Using clear instructions in their algorithm and following an algorithm carefully.</p> <p>Creating a clear, achievable program for a virtual assistant and explaining what inputs and outputs are</p> <p>Showing clear decomposition of their designs into the steps that are needed to make it</p> <p>Identifying bugs and fixing algorithms.</p> <p>Putting a set of instructions in the correct order and understanding why this is important.</p> <p>Building a model rocket according to instructions and their designs.</p> <p>Explaining what happened when they pressed given buttons on a BeeBot and explaining why they think the buttons they pressed were the right ones</p> <p>Recognising which buttons are necessary in the sequence of instructions. Predicting correct instructions to reach a pre-planned destination.</p> <p>Identifying a destination and getting Bee-Bot there (in as many steps as necessary)</p>	<p>Explaining what an algorithm is.</p> <p>Recognising what code blocks to use in Scratch JR to create an algorithm.</p> <p>Explaining what a loop is.</p> <p>Can include blocks chosen for playing music.</p> <p>Sequencing blocks appropriately.</p> <p>Explaining what decomposition means.</p> <p>Writing clear and precise algorithms that can be understood by another person.</p> <p>Creating algorithms to solve problems and beginning to use loops to make their code more efficient.</p> <p>Clearly explaining what abstraction is.</p>	<p>Write their own clear and precise algorithms both plugged and unplugged.</p> <p>Use abstraction to remove unnecessary detail.</p> <p>Explain what decomposition means and why we use it.</p> <p>Explain what a loop is in Scratch JR.</p> <p>Use Scratch JR to create an algorithm for a purpose (e.g. animation, to tell a joke etc.)</p> <p>Debug an algorithm on Scratch JR and using a Bee-Bot.</p> <p>Predicting instructions to achieve a goal.</p> <p>Program a Bee-Bot to follow a set of directions.</p>	<p>Explaining what an algorithm is and understanding the purpose of an algorithm.</p> <p>Explaining what happened to the program when they added certain blocks.</p> <p>Suggesting how the colour differences could help them predict block actions.</p> <p>Remix existing code and add additions.</p> <p>Including a loop within their program and explain what it's doing.</p> <p>Selecting blocks to create a desired effect.</p> <p>Using a systematic approach to debug code justifying what is wrong and how it can be corrected.</p> <p>Use decomposition to explain the parts of a laptop computer.</p>	<p>Knowing how to solve unplugged problems by decomposing them into smaller parts.</p> <p>Identifying and remixing HTML code to alter the text size and content of a web page.</p> <p>Understanding how to create a simple code script.</p> <p>Creating a Scratch program which draws a square and at least one other shape.</p> <p>Modifying existing code.</p> <p>Being able to change a sprite's appearance.</p> <p>Identifying some of the code blocks used within a game.</p> <p>Knowing what a variables is and using the 'say' and 'ask' blocks.</p> <p>Knowing how to use a variable to record a score.</p> <p>Understanding that problems can be solved more easily using computational thinking</p> <p>Understanding the terms 'pattern recognition' and 'abstraction'.</p> <p>Using abstraction to identify the important parts when completing both plugged and unplugged activities.</p>	<p>Use Scratch 3.0 with greater fluency.</p> <p>Remix existing code on Scratch 3.0</p> <p>Use abstraction and pattern recognition to modify existing code.</p> <p>Create algorithms both plugged and unplugged independently</p> <p>Use repetition in programs.</p> <p>Begin to use loops to make code more efficient</p> <p>Use decomposition to solve problems.</p> <p>Identify patterns in unplugged activities.</p> <p>Alter a website's HTML code.</p> <p>Recognising blocks they've used previously,</p> <p>Recognising the difference between 'on start' and 'forever' in Micro:bit</p> <p>Identifying inputs and outputs used and making predictions about how variables work.</p> <p>Breaking a program down into smaller steps, suggesting appropriate blocks.</p>	<p>Explaining what basic commands do in Scratch.</p> <p>Explaining how their program links to a theme.</p> <p>Including a nested loop (loop within a loop) in their work.</p> <p>Decomposing a program without support.</p> <p>Correcting their own simple mistakes.</p> <p>Including repetition and explaining its function.</p> <p>Coding a piece of music that combines a variety of structures.</p> <p>Making connections with previous programming interfaces they've used, e.g.: Scratch</p> <p>Recognising blocks they've used previously,</p> <p>Recognising the difference between 'on start' and 'forever' in Micro:bit</p> <p>Identifying inputs and outputs used and making predictions about how variables work.</p> <p>Breaking a program down into smaller steps, suggesting appropriate blocks.</p>	<p>Explaining that codes can be used for a number of different reasons.</p> <p>Explaining the importance of historical figures and their contribution towards computer science.</p> <p>Evaluating code, understanding what it does and using adapt existing to code for a specific purpose.</p> <p>Using sequence, selection, repetition and variables within a program.</p> <p>Iterating ideas, testing and changing throughout the lesson and explaining what their program does independently.</p> <p>Using nested loops in their designs.</p> <p>Decomposing the program into an algorithm and modifying a program to personalise it.</p> <p>Writing increasingly complex algorithms for a purpose.</p>	<p>Use further programming software beyond Scratch (e.g. code.org, Lego WeDo, Micro:bit)</p> <p>Decompose a program into steps (an algorithm).</p> <p>Predict what software will do using decomposition.</p> <p>Write increasingly difficult algorithms for a purpose.</p> <p>Use nested loops in code.</p> <p>Debug effectively to make programs more efficient.</p> <p>Change existing code to make it more personal.</p> <p>Discuss important historical figures and their contribution to Computer Science.</p>

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		Identifying and correcting mistakes when they go wrong.								
Information Technology	<p>Learning how to operate a camera to take photographs of meaningful creations or moments</p> <p>Recognising that a range of technology is used in places such as homes and schools</p> <p>Learning what a keyboard is and how to locate relevant keys</p> <p>Learning what a mouse is and developing basic mouse skills such as moving and clicking</p> <p>Using a simple online paint tool to create digital art</p>	<p>Explaining what is happening in a photo story.</p> <p>Taking their own photos.</p> <p>Suggesting changes that you can make to photos.</p> <p>Designing a rocket using a basic range of tools on graphics editing software.</p> <p>Knowing that images can be found on the Internet.</p> <p>Adding both images and text.</p> <p>Resizing and dragging images around the page.</p> <p>Representing data in different ways and using this to answer questions.</p> <p>Represent same data in a pictogram as well as tables and charts</p> <p>Representing data digitally.</p> <p>Creating a branching database.</p> <p>Designing a computerised invention to gather data; explaining how it works.</p> <p>Inputting data into a table or spreadsheet and measuring distances accurately.</p>	<p>Understanding which are the home row keys and how to find them for typing as well as understanding and using spacebar and backspace correctly.</p> <p>Typing and making simple alterations to text using buttons on a word processor.</p> <p>Creating a document, which contains appropriate images and modification of text, using keyboard shortcuts.</p> <p>Understanding how to use copy and paste to copy text from one document to another;</p> <p>Using different text styles and editing tools and crediting source materials.</p> <p>Planning out an animation.</p> <p>Creating a flip book animation.</p> <p>Creating a short stop motion with small changes between images.</p> <p>Identifying relevant information in a spreadsheet.</p> <p>Confidently naming the peripherals: screen, keyboard and mouse and understanding the function of each of the parts.</p> <p>Recognising that buttons cause effects</p>	<p>Identify inputs and outputs of some devices.</p> <p>Describe some components that make up a computer.</p> <p>Begin using keys on a keyboard correctly and efficiently to touch type.</p> <p>Type and format text on word processing software.</p> <p>Control a mouse to drag, click and resize images.</p> <p>Use online paint tools to create digital art.</p> <p>Use and operate a camera to take photos.</p> <p>Use photos to create an animation.</p> <p>Represent and interpret data on spreadsheet software</p>	<p>Explaining what is meant by field, record and data.</p> <p>Identifying examples of paper and computerised databases.</p> <p>Putting values into a spreadsheet, sorting, filtering by a particular value.</p> <p>Interpreting that data and creating questions that can be answered by the data.</p> <p>Creating a graph, naming different types of chart and explaining the purpose of visual representations of data.</p> <p>Suggesting what input and output are and recognising that the computer sends and receives instructions.</p> <p>Explaining that parts work together to make the laptop work and suggesting the role of some of the parts.</p> <p>Naming the different parts of a computer (ROM, RAM, CPU, etc)</p> <p>Suggesting what computer memory is and using a QR code.</p> <p>Making some comparisons between laptops and tablets.</p> <p>Understanding how to log in and log out of email.</p> <p>Sending a simple email which includes a subject.</p>	<p>Adding text between the heading and paragraph tags.</p> <p>Adapting the basic elements of a story within a web page using the 'Inspect Elements' tool.</p> <p>Finding images that are permitted for reuse and changing at least one image and text in a web page.</p> <p>Using a range of features in Google Sites.</p> <p>Understanding the features of Google Sites and using these to build a web page.</p> <p>Creating a professional looking web page with useful information and a clear style, which is easy for the user to read and find information from.</p> <p>'Recording information in a spreadsheet and explaining how this data is collected.</p> <p>Creating a video using green screen technology.</p> <p>Editing a video using video software.</p> <p>Understanding the need to be thoughtful when working on a collaborative document.</p> <p>Using comments to suggest changes to a document.</p> <p>Using a variety of different slide styles to convey information including images and transitions.</p>	<p>Know how to take photographs and record video using a tablet or camera.</p> <p>Use editing software to edit and enhance video.</p> <p>Know and explain some components that make up a computer.</p> <p>Know how to log in and log out of an email account.</p> <p>Know how to write an email including a subject, 'to' and 'from'.</p> <p>Include an attachment on an email</p> <p>Identify what computer networks are and how they provide multiple services such as the World Wide Web</p> <p>Identify the key components within a network</p> <p>Create a webpage with content for a purpose</p> <p>Use online Google software to create word documents, presentations and spreadsheets.</p> <p>Collaborate with other online users using Google software</p> <p>Represent, create and interpret data on spreadsheet software.</p> <p>Sort and filter databases to easily find information.</p>	<p>Identifying some of the types of data which the Mars Rover could collect (e.g., photos).</p> <p>Explaining how the Mars Rover transmits the data back to Earth (radio waves)</p> <p>Understanding each one or zero is referred to as a bit</p> <p>Reading any number in binary, up to eight bits.</p> <p>Identifying binary as the most basic way computers communicate.</p> <p>Relating binary signals (Boolean) to a simple character based language, ASCII</p> <p>Identifying input, processing and output on the Mars Rovers</p> <p>Knowing the difference between ROM and RAM.</p> <p>Explaining how the size of RAM affects the processing of data.</p> <p>Creating a pixel picture, explaining that a pixel is the smallest element of a digital image.</p> <p>Saving JPEG as a bitmap and recognising the difference in file size</p> <p>Explaining the 'fetch, decode, execute' cycle in relation to real-world situations</p> <p>Beginning to use 3D design tools. (TinkerCAD)</p> <p>Combining text and images in a poster</p>	<p>Understanding why barcodes and QR codes were created and how the data contained can be used by computers.</p> <p>Creating (and scanning) their own QR code using a QR code generator website.</p> <p>Explaining how infrared can be used to transmit a Boolean type signal.</p> <p>Explaining how RFID works and recalling a use of RFID chips.</p> <p>Typing formulas into cells using a spreadsheet.</p> <p>Taking real time data and entering it effectively into a spreadsheet.</p> <p>Presenting data to answer a question.</p> <p>Sorting data within an Excel spreadsheet by inserting a table.</p> <p>Knowing what the first computer was built for.</p> <p>Understanding and identifying how computers have changed and how they made a difference to the modern world.</p> <p>Presenting information about a historical figure in an interesting and engaging manner using a presentation software.</p> <p>Using Word Processing skills to produce an effective presentation.</p> <p>Providing feedback to others on their presentations.</p>	<p>Understand the history of computers and how they have changed throughout history.</p> <p>Know and explain the components that make up a computer.</p> <p>Explain how data is transferred using binary.</p> <p>Understand and read binary code up to eight bits.</p> <p>Know how barcodes, QR codes, RFID etc are used in everyday life.</p> <p>Inputting and presenting data in a spreadsheet effectively.</p> <p>Know and understand that computer networks provide multiple services.</p> <p>Understanding the various components of a computer and describing the features and why they are important.</p> <p>Use 3D design software to design a product.</p> <p>Improve and edit videos and images.</p> <p>Know how to use video editing software to animate (Stopmotion) and</p>

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			and that technology follows instructions		<p>Adding at least one attachment before sending an email.</p> <p>Editing and typing an email address.</p> <p>Recognising that a network is two or more devices connected.</p> <p>Recognising that files are saved on a server and that they travel through wireless and wired connections.</p> <p>Understanding that networks connect to the internet via a router.</p> <p>Explaining that routers connect us to the internet.</p> <p>Explaining that websites are split into small pieces to be sent via the internet and that packets are encoded with information to get to the right place.</p> <p>Creating a storyboard to plan a book trailer.</p> <p>Using digital devices to record video or take photos, framing shots carefully to create the desired effects</p> <p>Importing videos and photos into film editing software in order.</p> <p>Adding text to the trailer, as well as incorporating different transitions between shots or images.</p>	<p>Creating a Google Form with a range of question types.</p> <p>Exporting data to a spreadsheet, highlighting data using conditional formatting and calculating averages and sums of numbers.</p>		<p>Creating a toy with simple images with a single movement.</p> <p>Using a camera to take 24 frames with small movements to create Stop Motion animation.</p> <p>Decomposing an story into smaller parts to create a storyboard with simple characters.</p> <p>Making small changes to the models to ensure a smooth animation and deleting unnecessary files</p> <p>Adding film effects such as extending parts and the use of a title.</p>	<p>Explaining how to record sounds and add in sound effects over the top.</p> <p>Producing a simple radio play with some special effects and simple edits.</p> <p>Understanding how computers work by recognising its components and why they are important.</p> <p>Describing all of the features that we'd expect a computer to have including RAM, ROM, hard drive and processor.</p> <p>Recognising that data can become corrupted within a network and that data sent in 'packets' is more robust.</p> <p>Recognising differences between mobile data and Wi-Fi.</p> <p>Recognising how the Internet Of Things has led to Big Data and making links between then two.</p> <p>Explaining ways that Big Data or IOT principles could be used to solve a problem or improve efficiency within the school.</p> <p>Using CAD software more independently to design a product.</p> <p>Creating an appealing website aimed at a target audience.</p>	<p>create informative videos/ radio plays.</p> <p>Use Word Processing and Presentation software to produce engaging and interesting presentations.</p> <p>Create an appealing website aimed at a target audience.</p>
Digital Literacy	<p>Recognising that a range of technology is used in places such as homes and schools.</p> <p>Learning to log in and log out</p>	<p>Logging in and using mouse and keyboard skills to navigate the computer.</p> <p>Logging in and out of a computer unaided.</p>	<p>Navigating a digital map.</p> <p>Digitally draw using drawing software.</p> <p>Navigate a simple webpage to get to information needed (e.g. home, forward,</p>	<p>Switch on and log on to a computer unaided.</p> <p>Click and drag objects with accuracy.</p> <p>Save work to a folder or online account.</p>	<p>Use a search engine to search for information online.</p> <p>Use key phrases in search engines.</p> <p>Explain what autocomplete is and how</p>	<p>Search the web efficiently for information within a wide group of technologies (e.g. social media, image sites, video sites).</p> <p>Know how to analyse information and differentiate between</p>	<p>Save work to an online account or folder.</p> <p>Know how to analyse information online for beliefs, opinions and facts.</p> <p>Search for information safety on a wider group of technologies.</p>	<p>Understanding the importance of using an online community responsibly.</p> <p>Explaining what a search engine is,</p>	<p>Using search technologies effectively and safely.</p> <p>Explaining how search engines work and how results are selected and ranked.</p> <p>Knowing how to make references to and</p>	<p>Use search engines and technologies effectively and safely.</p> <p>Explain how search engines work to</p>

Computing Knowledge Organiser 2021-2022



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		<p>Clicking and dragging objects.</p> <p>Creating a piece of artwork which demonstrates clear control of the mouse.</p> <p>Using a computer to make a list.</p> <p>Save work on their account.</p> <p>Use simple keywords in search engines</p>	<p>back buttons; links, tabs and sections).</p> <p>Know what voice activated searching is and how it might be used (e.g. Alexa, Google Now, Siri).</p> <p>Explain how many devices in my home could be connected to the internet and can list some of those devices.</p> <p>Recognising different forms of technology beyond laptops and tablets.</p> <p>Recognising computers in the world around them and explaining the role of each computer.</p>	<p>Navigate a webpage correctly using various functions (e.g. home, forward, next page).</p> <p>Use simple keywords in search engines.</p> <p>Explain how we use voice activated searching in our lives.</p> <p>Recognising technology in the world and their role.</p>	<p>to choose the best suggestion.</p> <p>Explain the difference between a 'belief', an 'opinion' and a 'fact'.</p>	<p>'opinions', 'beliefs' and 'facts'.</p>	<p>Use key phrases in search engines.</p> <p>Explain the difference between a "belief", "opinion" and a "fact" online.</p> <p>Know ways of communicating online.</p>	<p>Suggesting several search engines to use.</p> <p>Understanding that anyone can create a website.</p> <p>Explaining why keywords are important and what the acronym TASK stands for.</p> <p>Explaining the role of web crawlers and recognising that results are rated to decide rank.</p> <p>Knowing how to search for information about an individual online.</p>	<p>acknowledge sources used from the internet</p> <p>select and rank results.</p> <p>Explaining why keywords are important.</p> <p>Know how to search for specific information online.</p> <p>Identifying ways that information about people online can be used by others to make judgments about an individual.</p> <p>Knowing how to make references to and acknowledge sources used from the internet</p>	
Online Safety	<p>When using the internet alongside an adult, or independently, learning what to do if they come across something that worries them or makes them feel uncomfortable.</p> <p>Begin learning some rules to follow to keep us safe online.</p> <p>Understand that some filters on tablets / internet are used to protect us</p>	<p>Explain the importance of a password.</p> <p>Know how to search and download images from the internet safely.</p> <p>Know that there are some people online who can make us feel sad or embarrassed.</p> <p>Know what to do if they come across something online that worries them or makes them feel uncomfortable.</p> <p>Explain why it is important to be considerate and kind to people online.</p> <p>Describe what information should not be put online without asking a trusted adult first.</p> <p>Describe how to behave online in ways that do not upset others</p>	<p>Identify ways of staying safe when talking to people online.</p> <p>Know not to share personal information online.</p> <p>Identify what they should do if they see or hear something online that makes them feel upset or uncomfortable.</p> <p>Explain how other people's identity online can be different to their identity in real life.</p> <p>Know examples of how we might use technology to communicate with others we don't know well (e.g. email)</p> <p>Explain how information put online can last for a long time.</p>	<p>Explain the rules we must follow to keep us safe online</p> <p>Explain why it is important to not share personal information online.</p> <p>Know who our trusted adults are and why we might need to speak to them about online issues.</p> <p>Explain how identity online can be different to identity in real life.</p> <p>Explain why we use passwords for security.</p> <p>Identify that some information online may not be true.</p> <p>Identify how bullying online might look.</p>	<p>Explain what is meant by the term 'identity' and how we can represent ourselves in different ways online.</p> <p>Explain ways to change identity online and why it might be done (e.g. gaming, social media)</p> <p>Identify specific forms of communication using technology (e.g. emojis, text speak)</p> <p>Explain some risks of communicating online with people we don't know very well.</p> <p>Explain how people's feelings can be hurt by what is said or written online.</p> <p>Explain why we should be careful who we trust online and what information we can trust them with.</p>	<p>Explain how online identity can be different to the identity presented in 'real life'.</p> <p>Explain strategies for safe and fun experiences in a range of online social environments.</p> <p>Identify examples of how to be respectful to others online.</p> <p>Explain how others can find out information about me by looking online.</p> <p>Explain ways that some of the information about me online could have been created, copied or shared by others.</p> <p>Identify some online technologies where bullying might take place.</p> <p>Know ways people can be bullied through a range of</p>	<p>Identify how information about us can be stored online.</p> <p>Explain why identity may be changed online and how this can happen</p> <p>Explain various ways people can be bullied online.</p> <p>Identify some of the methods used to encourage people to buy things online (e.g. advertising offers; in-app purchases, pop-ups)</p> <p>Explain how to use other people's work respectfully.</p> <p>Identify times or situations when I might need to limit the amount of time I use technology.</p> <p>Use simple strategies for creating and keeping passwords private.</p>	<p>Explain how identity online can be copied, modified or altered.</p> <p>Explain that there are some people who we can communicate with online who may want to do harm.</p> <p>Know some positive contributions we can make to be part of online communities.</p> <p>Know some of the online communities we are part and describe how to collaborate with others positively.</p> <p>Know how to get help for someone that is being bullied online and assess when we need to do or say something or tell someone.</p> <p>Explain how to report online bullying and block people on the apps and platforms that we use.</p>	<p>Identify ways in which media can shape ideas about gender.</p> <p>Identify messages about gender roles and make judgements based on them.</p> <p>Explain and challenge why it is important to reject inappropriate messages about gender online.</p> <p>Explain issues online that might make me, or others feel sad, worried, uncomfortable, or frightened.</p> <p>Know examples of how we might get help, both on and offline and explain why we should keep asking for help until we get it.</p> <p>Know how to support others (including those who are having difficulties) online.</p> <p>Explain how impulsive and rash communications online may cause problems (e.g.</p>	<p>Identify ways in which media can shape ideas about gender.</p> <p>Challenge messages about gender roles and reject inappropriate stereotypes.</p> <p>Explain issues online that might make me, or others feel sad, worried, uncomfortable, or frightened.</p> <p>Know examples of how we might get help, both on and offline.</p> <p>Explain how to report online bullying and block people on the apps and platforms that we use.</p>

Computing Knowledge Organiser 2021-2022



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	<p>Explain rules to keep us safe when we are using technology both in and beyond the home.</p> <p>Explain why work created using technology belongs to them (copyright/ownership).</p>	<p>Identify examples of bullying behaviour and how it could look online.</p> <p>Explain simple guidance for using technology in different environments and settings.</p> <p>Explain what passwords are and can use passwords for accounts and devices.</p> <p>Explain why some information found online may not be true.</p> <p>Know that content on the internet may belong to other people.</p>	<p>List some devices that are connected to the internet at home.</p> <p>Know that work online belongs to them and some content belongs to others.</p>	<p>Explain what is meant by 'trusting someone online' and why this is different from 'liking someone online'.</p> <p>Know who I should ask if I am not sure if I should put something online.</p> <p>Explain what bullying is and can describe how people may bully others.</p> <p>Explain why spending too much time using technology can sometimes have a negative impact on me.</p> <p>Know and give reasons why passwords are important.</p> <p>Know simple strategies for creating and keeping passwords private.</p> <p>Explain why copying someone else's work from the internet without permission can cause problems.</p>	<p>media (e.g. image, video, text, chat).</p> <p>Explain why I need to think carefully about how content I post might affect others, their feelings and how it may affect how others feel about them (their reputation).</p> <p>Know some of the methods used to encourage people to buy things online (e.g. advertising offers; in-app purchases, pop-ups) and can recognise some of these when they appear online.</p> <p>Explain that some people I 'meet online' (e.g. through social media) may be computer programmes pretending to be real people.</p> <p>Explain why lots of people sharing the same opinions or beliefs online does not make those opinions or beliefs true.</p> <p>Explain how using technology can distract me from other things I might do or should be doing.</p> <p>Identify times or situations when I might need to limit the amount of time I use technology.</p> <p>Explain what a strong password is.</p> <p>Know strategies for keeping my personal information private, depending on context.</p> <p>Explain that others online can pretend to be me or other people, including my friends and suggest why they might do this.</p> <p>Explain why, when searching on the internet for content to use, we</p>		<p>Know some helpline services who can support children (e.g. Childline).</p> <p>Explain and give examples of when and why it is important to be 'sceptical'.</p> <p>Explain why some information online may not be honest, accurate or legal.</p> <p>Explain why information that is on a large number of sites may still be inaccurate or untrue and how this may happen (e.g. sharing misinformation on purpose or by accident.)</p> <p>Know how to create and use strong and secure passwords.</p> <p>Explain how many free apps or services may read and share private information (e.g. friends, contacts, likes, images, videos, voice, messages, geolocation) with others.</p> <p>Explain how and why some apps may request or take payment for additional content (e.g. in-app purchases) and explain why we should seek permission from a trusted adult before purchasing.</p> <p>Explain, assess, and justify when it is acceptable to use the work of others.</p> <p>Explain ways technology can affect healthy sleep and can describe some of the issues..</p> <p>Know some strategies, tips, or advice to promote healthy sleep with regards to technology.</p>	<p>flaming, content produced in live streaming).</p> <p>Know ways of reporting problems online for both myself and my friends.</p> <p>Explain how developing an online reputation will allow other people to form an opinion of me.</p> <p>Know some simple ways that help build a positive online reputation.</p> <p>Know how to capture bullying content as evidence (e.g. screen-grab, URL, profile) to share with others who can help me.</p> <p>Identify a range of ways to report concerns both in school and at home about online bullying.</p> <p>Know the strategies we would apply to be discerning in evaluating digital content.</p> <p>Explain how and why some people may present 'opinions' as 'facts'.</p> <p>Know the terms 'influence', 'manipulation' and 'persuasion' and explain how I might encounter these online (e.g. advertising and 'ad targeting').</p> <p>Know how to identify, flag and report inappropriate content.</p> <p>Know effective strategies for managing different passwords (e.g. password managers, acronyms, stories).</p> <p>Know what to do if passwords are lost or stolen.</p> <p>Explain what app permissions are and can give some examples from the technology or services.</p>	<p>Know the strategies we would apply to be discerning in evaluating digital content.</p> <p>Know effective strategies for managing different passwords (e.g. password managers, acronyms, stories).</p> <p>Know ways in which some online content targets people to gain money or information illegally and know strategies to help identify this content e.g. scams, phishing.</p> <p>Know common systems that regulate age-related content (e.g. PEGI, BBFC, parental warnings) and describe their purpose.</p> <p>Explain the importance of self regulating use of technology and demonstrate the strategies to do this (e.g. monitoring time online, avoiding accidents).</p>
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						<p>need to consider who owns it and whether we have the right to reuse it.</p>			<p>Know simple ways to increase privacy on apps and services that provide privacy settings.</p> <p>Know ways in which some online content targets people to gain money or information illegally and know strategies to help identify this content e.g. scams, phishing.</p> <p>Know common systems that regulate age-related content (e.g. PEGI, BBFC, parental warnings) and describe their purpose.</p> <p>Know strategies to limit the impact of technology on my health (e.g. nightshift mode, regular breaks, correct posture, sleep, diet and exercise).</p> <p>Explain the importance of self regulating use of technology and demonstrate the strategies to do this (e.g. monitoring time online, avoiding accidents).</p>	
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